



#3

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

**COMBINED DECLARATION
AND AUTHORIZATION OF AGENT**

DECLARATION

As a below-named inventor, I hereby declare that:

This declaration is for an original, joint, utility patent application;

My residence, post office address, and citizenship are as stated below under my name;

I believe that the below-named inventors are the original, first, and joint inventors of the subject matter which is claimed and for which a patent is sought on the invention entitled:

HF VAPOR PHASE WAFER CLEANING AND OXIDE ETCHING

the specification of which:

_____ is attached hereto;

✓_____ was filed on February 4, 2000 as
Application Serial No. 09/498,303
and was amended on _____

I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above;

CLAIM FOR BENEFIT OF PRIOR U.S. PROVISIONAL APPLICATION

I hereby claim the benefit under 35 U.S.C. §119(e) of the following United States provisional patent application:

Provisional Application No.
60/118,937

Filing Date
February 5, 1999

DUTY OF CANDOR

I acknowledge my duty to disclose to the U.S. Patent and Trademark Office all information known to me to be material to patentability of the invention as defined in Title 37, Code of Federal Regulations, §1.56.

AUTHORIZATION OF PATENT AGENT

As a named inventor, I hereby appoint the following Patent Agent to prosecute this application and transact all business in the Patent and Trademark Office connected therewith:

Theresa Lober, Patent Agent

Registration No. 35,253

I also hereby grant additional Authorization to the above-named Patent Agent to file and prosecute an international application under the Patent Cooperation Treaty based upon the above identified application, including a power to meet all designated office requirements for designated states.

CORRESPONDENCE

Please send all correspondence to:

Theresa A. Lober
T. A. Lober Patent Services
128 Robbins Drive
Carlisle, Massachusetts 01741

Please direct telephone calls to:

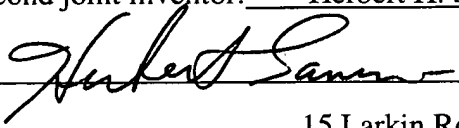
Theresa A. Lober
(978) 369-2181

Please direct facsimiles to:

Theresa A. Lober
(978) 369-7101

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patents issuing thereon.

Full name of First joint inventor: Yong-Pil Han
Inventor's
Signature: _____ Date: _____
Residence: 635-492 Bongcheon #9 Dong, Kwanak Gu
Seoul KOREA
Citizenship: Republic of Korea
Post Office Address: Same as Above

Full name of Second joint inventor: Herbert H. Sawin
Inventor's
Signature:  Date: 4/20/00
Residence: 15 Larkin Road
Chestnut Hill, Massachusetts 02167 USA
Citizenship: USA
Post Office Address: Same as Above



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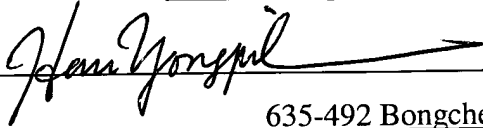
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Full name of First joint inventor: Yong-Pil Han
Inventor's
Signature:  Date: April 26, 2000
Residence: 635-492 Bongcheon #9 Dong, Kwanak Gu
Seoul KOREA
Citizenship: Republic of Korea
Post Office Address: Same as Above

Full name of Second joint inventor: Herbert H. Sawin
Inventor's
Signature: _____ Date: _____
Residence: 15 Larkin Road
Chestnut Hill, Massachusetts 02167 USA
Citizenship: USA
Post Office Address: Same as Above
